

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for displaying digital content comprising:
  - using a first tuner to access a first transport stream associated with a first frequency;
  - displaying in a main picture area of a display screen, a program associated with said first transport stream;
  - using a second tuner during spare periods to access a second transport stream associated with a second frequency;
  - decoding digital content from said second transport stream and caching said digital content into a memory buffer; and
  - upon said first tuner being switched to a new channel associated with said program information stored in said memory buffer, recalling said digital content from said memory buffer for use in providing a fast channel change operation to said new channel.
2. (original) A method as described in Claim 1 wherein said second tuner is normally dedicated to picture-in-picture rendering on said display screen.

3. (original) A method as described in Claim 2 wherein said digital content comprises table information associated with said second transport stream.

4. (original) A method as described in Claim 3 wherein said table information is derived from a program association table that is encoded in said second transport stream.

5. (original) A method as described in Claim 2 wherein said digital content comprises decoded I frames of said new channel.

6. (original) A method as described in Claim 2 further comprising:  
using said second tuner to scan through a plurality of frequencies over time to access a plurality of transport streams;  
decoding digital content from said plurality of transport streams; and  
caching said digital content decoded from said plurality of transport streams in said memory buffer.

7. (original) A method as described in Claim 1 wherein said first transport stream and said second transport stream are the same and wherein said first frequency and said second frequency are the same.

8. (original) A method as described in Claim 2 wherein said digital content cached to said memory buffer is associated with a channel that is a predicted next channel which is predicted based on previous channel selections.

9. (original) A method for displaying digital content comprising:

- using a first tuner to access a first transport stream associated with a first frequency;
- displaying in a main picture area of a display screen, a program associated with said first transport stream;
- using a second tuner to access a second transport stream associated with a second frequency;
- decoding first digital content from said second transport stream and caching said first digital content into a memory buffer;
- using a third tuner to access a third transport stream associated with a third frequency;
- decoding second digital content from said third transport stream and caching said second digital content into said memory buffer; and
- upon a channel change to a new channel associated with said second or third tuner, recalling digital content from said memory buffer for use in providing a fast channel change operation to said new channel.

10. (original) The method of Claim 9 wherein said second tuner is normally dedicated for picture-in-picture rendering on said display screen.

11. (original) A method as described in Claim 9 wherein in response to a channel change to said third tuner, performing the following:

using said third tuner to access said third transport stream;

displaying in said main picture area of said display screen, said new channel associated with said third transport stream;

using said first tuner to access a fourth transport stream associated with a fourth frequency; and

decoding digital content from said fourth transport stream and caching said digital content into said memory buffer.

12. (original) A method as described in Claim 9 wherein said digital content comprises decoded I-frames of said new channel.

13. (original) A method as described in Claim 12 wherein said digital content further comprises table information associated with said third transport stream.

14. (original) A method as described in Claim 9 further comprising:

using said third tuner to scan through a plurality of frequencies over time

to access a plurality of transport streams;

decoding digital content from said plurality of transport streams; and

caching said digital content decoded from said plurality of transport streams to said memory buffer.

15. (original) A method as described in Claim 9 wherein said second digital content cached to said memory buffer is associated with a channel that is a predicted next channel which is predicted based on previous channel selections.

16. (original) A method as described in Claim 15 wherein said first digital content cached to said memory buffer is associated with another channel that is a predicted next channel which is predicted based on previous channel selections.

17. (currently amended) A method for displaying digital content comprising:

using a first tuner to access a first transport stream associated with a first frequency;

displaying in a main picture area of a display screen, a program associated with said first transport stream;

using a second tuner to access a second transport stream associated with

a second frequency;

decoding table information from said second transport stream and caching said table information into a memory buffer, said table information comprising program identifications for programs of said second transport stream; and

upon a channel change to a new channel associated with said second transport stream, recalling said table information from said memory buffer for use in providing a fast channel change operation to said new channel.

18. (original) A method as described in Claim 17 further comprising:  
decoding I-frames associated with programs of said second transport stream; and

caching said I-frames to said memory buffer; and

upon said channel change to said new channel, also recalling cached I-frames for use in providing said last channel change operation to said new channel.

19. (original) A method as described in Claim 17 wherein said second tuner is normally dedicated to picture-in-picture rendering on said display screen.

20. (original) A method as described in Claim 17 further comprising:  
using said second tuner to also scan through a plurality of frequencies over time to access a plurality of transport streams; and

decoding and caching a plurality of table informations from said plurality of transport streams to said memory buffer.

21. (original) A method as described in Claim 17 wherein said new channel is a predicted next channel predicted based on prior channel selections.

22. (original) A method as described in Claim 17 wherein said first transport stream and said second transport stream are the same.

23. (currently amended) A method for displaying digital content comprising:

using a first tuner and a first decoder to access and decode a first transport stream associated with a first frequency;

displaying in a main picture area of a display screen, a program associated with said first transport stream;

using a second decoder to decode a second program and caching said decoded second program into a memory buffer;

upon a channel change to a new channel associated with said second program, ~~using said second decoder~~ recalling said decoded second program from said memory buffer and ~~to displaying said decoded second program in said main picture area of said display screen~~ said second program to provide a fast channel change operation to said new channel.

24. (original) A method as described in Claim 23 wherein said first transport stream comprises said second program.

25. (original) A method as described in Claim 23 wherein said second decoder is a spare decoder and wherein said second program is a predicted next program.

26. (original) A method as described in Claim 23 wherein said second program is associated with a second transport stream and further comprising:  
using a second tuner to access said second transport stream.

27. (original) A method as described in Claim 23 further comprising:  
using a second tuner and a third decoder to access and decode a second transport stream associated with a second frequency; and  
displaying in a picture-in-picture area of a display screen, a program associated with said second transport stream.

28. (original) A method as described in Claim 26 further comprising:  
using a third tuner and a third decoder to access and decode a third transport stream associated with a third frequency; and  
displaying in a picture-in-picture area of a display screen, a program



associated with said third transport stream.

29. (original) A method as described in Claim 26 wherein said second program is a predicted next program further comprising:

using a third tuner and a third decoder to access and decode a third program wherein said third program is a predicted next program.

30. (new) A method as described in Claim 1, wherein said digital content comprises a plurality of images.